A System and a Method of Driving a Parallel-Plate Variable Micro-Electromechanical Capacitor

ABSTRACT

A method of driving a parallel-plate variable micro-electromechanical capacitor includes establishing a first charge differential across first and second conductive plates of a variable capacitor in which the first and second conductive plates are separated by a variable gap distance, isolating the first and second plates for a first duration, decreasing the charge differential to a second charge differential which is less than the first charge differential and in which the second charge differential corresponds to a second value of the variable gap distance.